ECHO Technical Committee Meeting 11.12.2013

Attendance

Name	Organization
Kathleen Baynes	ECHO
Jon Velapoldi	ECHO
Doug Newman	ECHO
Renea Ericson	NSIDC
Mary Nair	GHRC
Frank Schaffer	NSIDC
Jody Rundell	LPDAAC
Cathy Fowler	NSIDC
Ed Seiler	GESDISC
Greg Cates	LARC
Mary-Jane Saddington	LARC
Chris Finch	JPL/PODAAC
Ben McMurry	ORNL
Ken Cockerill	URS
Jessica Garron	ASF
Kelly Lemig	LPDAAC

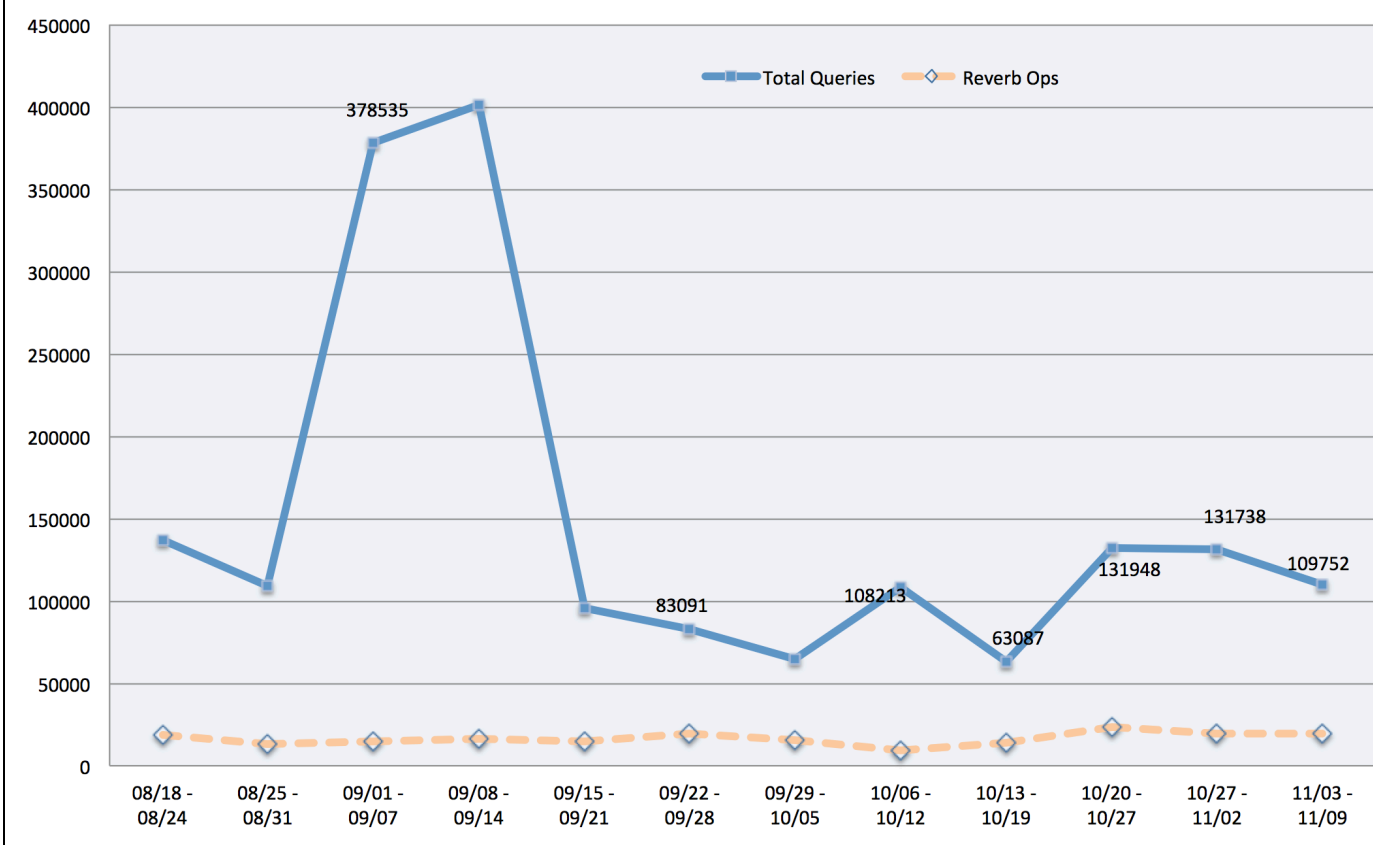| Dial-In Information |
|------|
| Telecon Number 877.973.2179 |
| Passcode 770291 |

ECHO System Status

System Issues

- 11/06/13 Operations outage during deployment of 10.69. Details here. Infinispan cache errors caused a kernel failure at around 8:30am and Reverb failure at 9:55am. Both outages were resolved in around 15 minutes
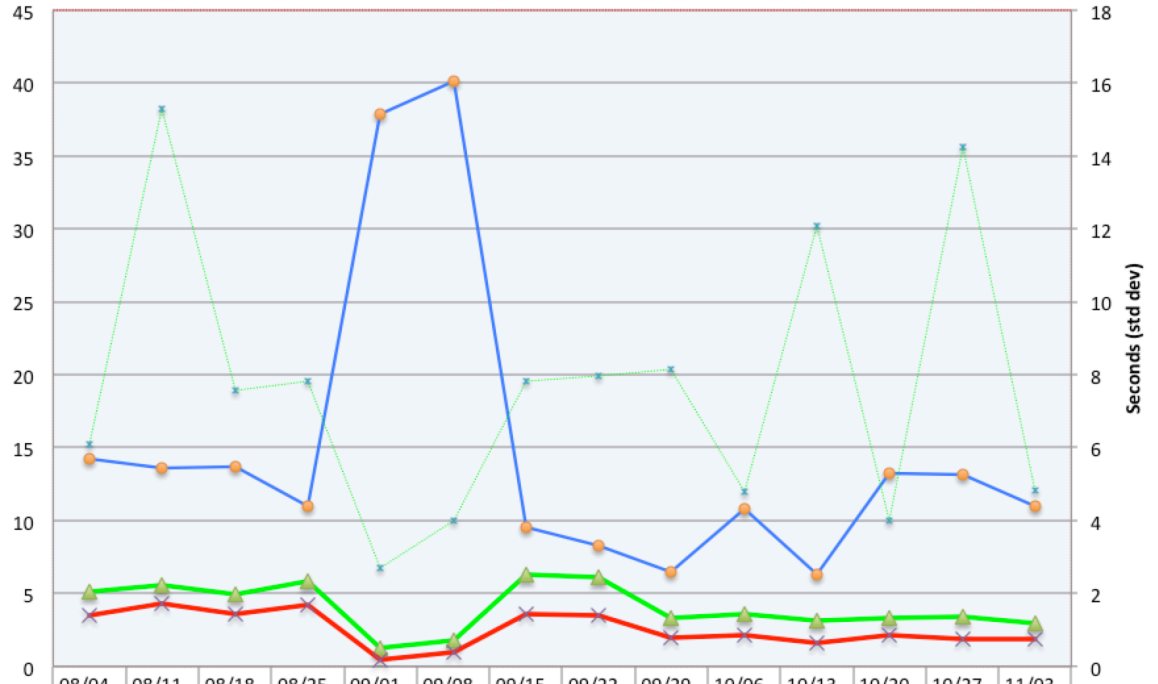
Recent Metrics

Total Catalog-Rest Queries vs Reverb Queries

Total Queries   Reverb Ops
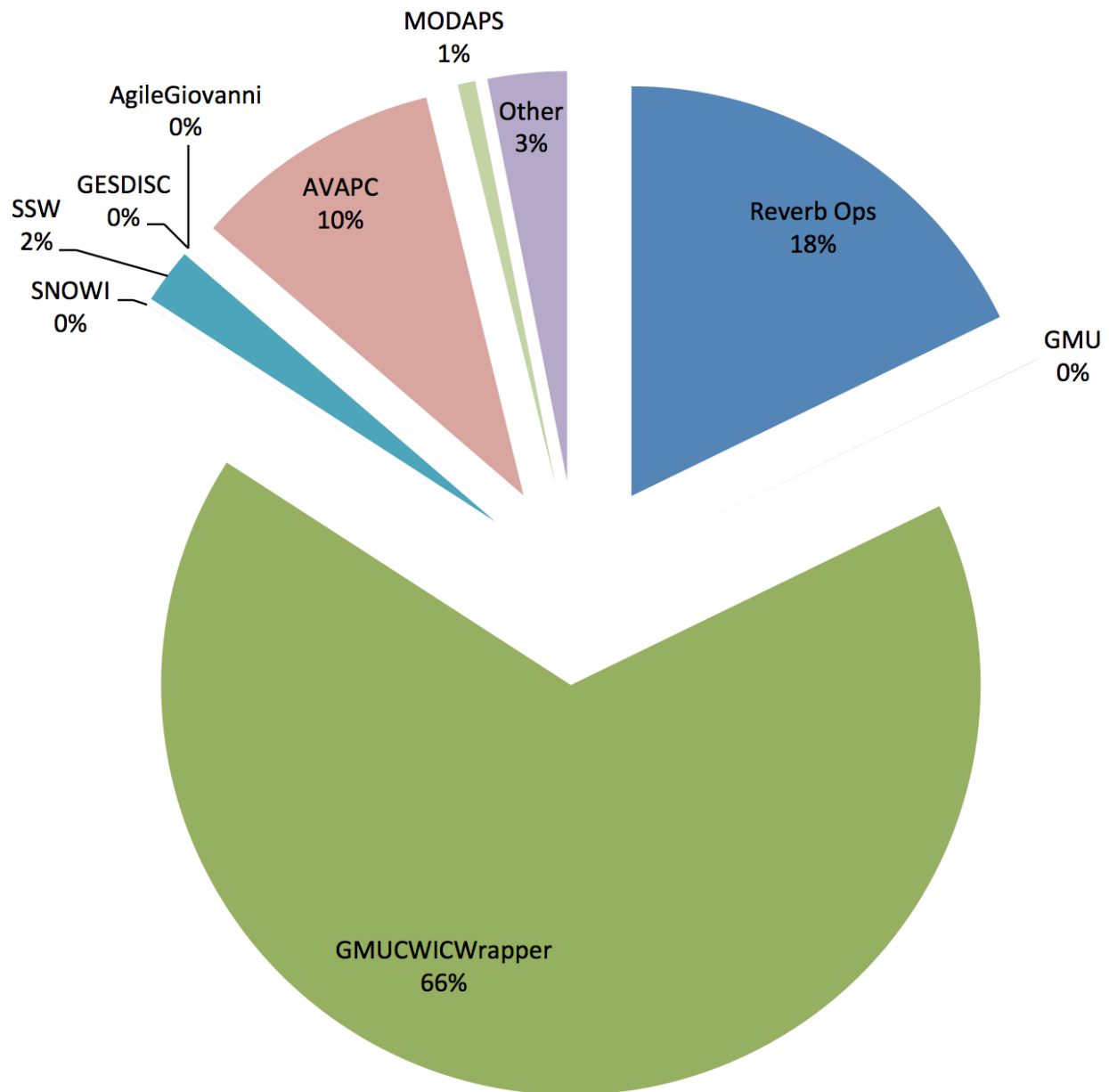
378535

83091

108213

63087

131948

131738

109752

08/18 - 08/24 | 08/25 - 08/31 | 09/01 - 09/07 | 09/08 - 09/14 | 09/15 - 09/21 | 09/22 - 09/28 | 09/29 - 10/05 | 10/06 - 10/12 | 10/13 - 10/19 | 10/20 - 10/27 | 10/27 - 11/02 | 11/03 - 11/09

Average Query Performance

	08/04 - 08/10	08/11 - 08/17	08/18 - 08/24	08/25 - 08/31	09/01 - 09/07	09/08 - 09/14	09/15 - 09/21	09/22 - 09/28	09/29 - 10/05	10/06 - 10/12	10/13 - 10/19	10/20 - 10/27	10/27 - 11/02	11/03 - 11/09
Avg Exec Time	5.0961	5.5685	4.9315	5.8443	1.2613	1.7592	6.2544	6.1221	3.3343	3.5624	3.1241	3.3543	3.4403	2.9655
Median Exec. Time	3.493	4.283	3.543	4.17	0.451	1.004	3.625	3.472	1.939	2.105	1.624	2.115	1.855	1.859
Totals (*10k)	14.2334	13.5989	13.6704	10.9552	37.8535	40.0983	9.5714	8.3091	6.4788	10.8213	6.3087	13.1948	13.1738	10.9752
Exec Time Std. Dev.	6.0725	15.2809	7.5719	7.8298	2.6865	3.9887	7.8326	7.9674	8.1477	4.7989	12.0651	3.9881	14.2568	4.842

Pie chart showing:
- MODAPS 1%
- AgileGiovanni 0%
- GESDISC 0%
- SSW 2%
- SNOWI 0%
- AVAPC 10%
- Other 3%
- Reverb Ops 18%
- GMU 0%
- GMUCWICWrapper 66%

Release Status

In Operations: 10.69.6

NCR	Summary
11011920	ECHO Reverb (10.41.1): Change map menu button for visibility
11012137	ECHO Reverb (10.42.1): Consider other options for list view data set expansion icon
11014014	Internal server error when sorting by campaign
11014015	Remove the option to sort search results by campaign
11014016	Attempting to sort query results by an invalid field results in an internal server error

11014101	~~Create REST service interface to accommodate ECHO ordering~~ **(still in work)**
11014142	Timeline View: Add contextual help
11014168	Add the ability to remove items from your order in the new order workflow
11014171	8.2 TS1/OPS 8.1 Reverb not displaying map in Media Options for HEW spatial subsetting
11014181	Verify correct functionality of ACL safeguards on inventory
11014193	DataAccess: CLIENT_STRING query parameter should be used to include ECHO status URL in ESI email
11014201	10.68.1 - Dataset table loading times in Testbed longer than expected **(unplanned)**
11014204	The documentation on sort_key in catalog-rest needs to be updated. **(unplanned)**
11014207	Editing of Contact info in New Order Workflow shows "ugly" 404 page in header. **(unplanned)**
11014220	Multiple dataset updates over a small period of time cause elastic to throw heap space errors and eventually fail **(unplanned)**

In Test: 10.70 (to Test Bed and Partner Test both 11/13)

(Tentative deployment to Operations 12/4)

NCR	Summary
11014037	Investigate use of OpenLayers from GIBS to replace Granule Results/Collection Information Maps
11014184	Reverb Map View: Move legend off the map
11014198	Reverb: Handling of browse image error messages should be changed **(NSIDC should review comment from Development)**
11014206	Add DIF support for collections
11014210	Transition issue for new order workflow **(Order Workflow)**
11014213	Unable to submit orders on Reverb in TS1 **(Order Workflow) (NSIDC)**
11014215	New order page needs Javascript validation that the option selection forms are valid prior to submission **(Order Workflow)**
11014216	Growl message displaying Reverb page instead of error message on failed order submission **(Order Workflow)**
11014217	Attempting to submit order after it failed previously is causing duplicate items to be added to the order **(Order Workflow)**
11014219	Checking for whether all granules are indexed for a dataset should use the correct indexed_at column based on elastic index configuration
11014221	Editing contact information should be 'cancelable' **(Order Workflow) (NSIDC)**
11014222	ECHO form visualization formatting may confuse the user **(unplanned)**
11014223	NRT button should open page in new window/tab **(unplanned)**
11014225	Unable to add collections to an ACL after REST only transition **(unplanned)**
11014229	New ordering page: When using the delete selected items, counts are not updated **(unplanned)**
11014230	Paging through expanded items in new order workflow lacks spinner. **(unplanned)**
11014238	Reverb Partner Test: Add Selected to Cart Not Working **(Order Workflow) (NSIDC) (unplanned)**
11014239	TS2:Release 8.2: BMGT: "Additional attributes Values - is not a valid float" errors **(LPDAAC) (unplanned)**
11014240	Unable to submit orders for NSIDC products using the new work flow **(Order Workflow) (NSIDC) (unplanned)**
11014245	Partner Test Reverb: Remove All Items not working as expected in the new order workflow **(Order Workflow) (NSIDC) (unplanned)**

In Development: 10.71

(4 week sprint, ending 12/6)

Number	Summary
11010275	ECHO Reverb (alpha): Datasets results should be sorted by relevance **(NSIDC)**
11010695	ECHO:REVERB:ability to search multiple time periods **(LPDAAC Review Requested)**
11011377	"Refresh" period between the time something is changed in PUMP and shows up in WIST/REVERB is troublesome **(LPDAAC)**
11013378	ECHO:Reverb: New AST_L1A order options line should be added as last option **(Order Workflow) (LPDAAC)**
11013400	Reverb: Order Options change request for AST_L1A collection **(Order Workflow) (LPDAAC)**
11013402	ECHO: The add button should only apply to AST_L1A data for LP DAAC **(Order Workflow) (LPDAAC)**
11013567	Reverb 10.56.8. URLs are being randomly "split" in granule details **(NSIDC)**
11013671	Improve error handling in Reverb when Elastic incorrectly contains a Granule/Dataset
11014211	Change catalog-rest searches to be case insensitive by default
11014241	Inherited links in atom results are not valid URIs
11014242	Improve DIF support in ECHO: Add ability to convert DIF to ISO and improve test coverage
11014243	Atom inherited links are not atom compliant

Discussion Topics

- ConOps for NRT collection changes (Matt Cechini). No progress. We will pick this up when Katie returns
- New Order Workflow is scheduled to be released to the Operations environment on 10.70. Working version in Partner Test right now for testing and evaluation.
    - Gates required for deployment to Operations (tentatively 10.70)
        1. Acceptance testing by user services groups in Partner Test (this can be begun now)
        2. NCRs in 10.70

- **While reviewing the Order Workflow and need to file and issue, if you are not familiar with TTPro, please use Kayako to submit.**
- **Lisa Booker wanted a couple of weeks more of testing, this schedule should accommodate that**

- ECHO Forms Proposed Changes
    - Developer Request:

    > There are 3 control types from the spec that simultaneously require a lot of client-side code to support and yet are not used anywhere. They are:
    >
    > **\<repeat\>**
    >
    > **\<select open="true"\>**
    >
    > **\<controlref\>**
    >
    > **...**
    >
    > These [fields] increase the size of our javascript and css, the complexity of our code, and the time it takes to execute our client-side code.
    >
    > **...**
    >
    > I propose excluding these from the ECHO Forms plugin for the time being. They can always be added in the future as needed, and I've structured things so third parties could add implementations as well.

Upcoming Events

Planned Maintenance 11/13

- 10.70 to Testbed and Partner Test
- Patches to test environments (outage required)
- DIMM replacement in Operations (EIAT and browse outage)

Open Floor